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SEQUENCE LISTING

<110> Robinson, Andrew
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Bracegirdle, Phillipa
Kroll, John
Cartwright, Keith
Webb, Steven
Langford, Paul
Reddin, Karen
O'Dwyer, Cliona

<120> Neisserial Vaccine Compositions and Methods

<130> 1581.0840001

<140> US '09/942,583

<141> 2001-08-31

<150> PCT/GB00/00624

<151> 2000-02-22

<160> 16

<170> PatentIn version 3.0

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19

<210> 3

<211> 17

<212> DNA

<213> Unknown

<220>

<223> PCR Primer

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<210> 4
<211> 17
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<213> Unknown

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aacagctatg gaccatg 17

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<222> (52)..(75)
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<210> 10
<211> 77
<212> DNA
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ctagagccgt ctgaaatgat tcagacggcc tgcagctgga ccccgggcag ctcccatggt 60
acgtagcggc cgccggg 77

<210> 11
<211> 20
<212> DNA
<213> Unknown

<220>
<223> Artificial sequence, alternative 5' end

<400> 11
tttttgaga attgaccatg 20

<210> 12
<211> 591
<212> DNA
<213> Unknown

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<223> Artificial Sequence Comprising Expression Cassette of nspA

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tgaccataaa ggaaccaaaa tatgaaaaaa gcacttgcca cactgattgc cctcgctctc 60
ccggccgccc cactggcgga aggcgcattcc tttacgtcca agccgatgcc gcacacgcaa 120
aagcctcaag ctcttttaggt tctgcaaaag gcttcagccc gcgcattctcc gcaggctacc 180
gcatcaacga cctccgcttc gccgtcgatt acacgcgcta caaaaactat aaagcccat 240
ccaccgattt caaactttac agcatcggcg cgtccgccat ttacgacttc gacacccaat 300
cgcccgctcaa accgtatctc ggcgcgcgct tgagcctcaa ccgcgcctcc gtcgacttgg 360
gcggcagcga cagcttcagc caaacctcca tcggcctcgg cgtattgacg ggcgtaagct 420
atgccgttac ccgaatgtc gatttgatg ccggctaccg ctacaactac atcggcaaag 480
tcaacactgt caaaaacgtc cgttcgggcg aactgtccgt cggcgtgcgc gtcaaattct 540
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tcgaattctg cagtcgacgg taccgcgggc ccgggatccg ctagcagttt taagattttt 120

ggagaattga ccatgagt

138

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<213> Unknown

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tagcattagt agccgcctaa tgagcgggct tttttttgca gttctaga

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60

tcgaattc

68

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<212> DNA
<213> Unknown

<220>
<223> pMIDG201 partial sequence

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60

gaatcatttc agacggctct aga

83